

REMARKS

Claims 10-12, 14-16 and 19-20 are amended in order to more particularly point out, and distinctly claim the subject matter to which the Applicants regard as their invention. The Applicants respectfully submit that no new matter has been added. Claim 13 is cancelled without prejudice or disclaimer. It is believed that this Amendment is fully responsive to the Office Action dated December 24, 2009.

In the Office Action, Claims 11-13 and 19-20 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Claims 10-12 and 19-20 are amended in a manner to overcome the rejection. Removal of this rejection is respectfully requested.

In the Office Action, Claims 10-13 and 19-20 were rejected under 35 U.S.C. §103(a) as being unpatentable over Campbell (U.S. Publication No. 2004/0200674) in view of Hendrickson (U.S. Patent No. 3,623,579). Reconsideration and removal of this rejection are respectfully requested in view of the present claim amendments and the following remarks.

Regarding Claim 10, the Office Action alleges that Campbell discloses a brake disk having; a recessed and ridged portion which is recessed and protruded in a radial direction formed repeatedly on an outer peripheral edge of a rotor plate of the brake disk along a circumferential direction as

shown in FIG. 9.

The Office Action further alleges that Hendrickson teaches a chamfer portion (33 or 34) to remove sharp edges and prevent damage to pads. (Column 2, lines 29-33)

The Office Action notes that regarding the 'press molding' recitation, it is noted that the step of press molding does not appear to provide a structural distinction to the chamfer structure. (Note MPEP 2114)

In the Office Action, Claims 14-16 were rejected under 35 U.S.C. §103(a) as being unpatentable over Campbell (U.S. Publication No. 2004/0200674) and Hendrickson (U.S. Patent No. 3,623,579) as applied to Claim 10 above, and further in view of Torii et al. (U.S. Publication No. 2002/0003071). Reconsideration and removal of this rejection are respectfully requested in view of the present claim amendments and the following remarks.

The Office Action alleges that Campbell and Hendrickson disclose all the limitations of the instant claims with exception to the explicit disclosure of the dimensions of the chamfers, and that Torii et al. disclose a similar device and further teaches chamfer portions of .5mm or less.

As disclosed at least at page 17, lines 10-17 of the present specification, the metal composing the press-molded chamfered surface has properties resulting from being plastically deformed. It is respectfully submitted that plastically deforming the chamfered surface is distinct from the method of Hendrickson, as Hendrickson teaches to machine the chamfered surface.

It is respectfully submitted that metal comprising the machined chamfered surface would have properties distinct from properties of metal which has been press-molded.

Further, in the present invention, a press-molded sag is formed on a corner portion of a back face side, a press-molded chamfered surface is formed on a corner portion of a front face side, and a chamfered length of the chamfered surfaces corresponds to the size of a press-molded sag of the corner portion. Such a feature is discussed on page 9, lines 8-16 of the present specification.

Also, a chamfered length of the chamfered surface corresponds to the size of the sag of the corner portion on the outer peripheral edge of the rotor plate, the sag being formed by means of the press molding. Thus, an integrated impression can be obtained to enhance design. Moreover, the amount of wear of the brake pads on both sides which are pressed by the brake disk produced in the production method can be reduced, and the amount of wear of both brake pads can be made substantially even.

In view of the amendments to Claims 10 and 14-16, and the above remarks, removal of this rejection is respectfully requested.

In view of the aforementioned amendments and accompanying remarks, Claims 10-12, 14-16 and 19-20, as amended, are believed to be in condition for allowance, which action, at an early date, is requested.

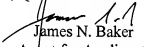
If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact the Applicants' undersigned agent at the telephone number

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact the Applicants' undersigned agent at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, the Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

KRATZ, QUINTOS & HANSON, LLP


James N. Baker
Agent for Applicant
Reg. No. 40,899

JNB/ak

Atty. Docket No. **060430**
Suite 400
1420 K Street, N.W.
Washington, D.C. 20005
(202) 659-2930



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